





Boerne ISD CTE Programs of Study



Business & Industry

| Pathway | Level 1 | Level 2 | Level 3 | Level 4 | Industry Based Certifications |
|--|--|---|--|--|---|
| Applied Ag Engineering Ag, Food, & Natural Resources  | Principles of AFNR | Ag. Mechanics & Metal Tech. | Ag. Equipment & Design Fabrication | Practicum in Ag | OSHA-10 AWS SENSE Welding AWS D1.1 Structural Steel AWS D9.1 Sheet Metal |
| Animal Science Ag, Food, & Natural Resources  | Principles of AFNR | Small Animal Management (.5) Equine Science (.5) | Livestock Production | Practicum in Ag OR Advanced Animal Science | Certified Vet Assistant Licensed Vet Tech ELANCO Fundamentals of Animal Science |
| Plant Science Ag, Food, & Natural Resources  | Principles of AFNR | Floral Design | Horticulture Science and/or Advanced Floral Design | Practicum in Ag OR Advanced Floral Design | TSFA Floral BASF Plant Science |
| Graphic Design & Multimedia Arts, A/V Tech, & Comm.  | Principles of AAVTC | Graphic Design & Illustration I | Graphic Design & Illustration II | Practicum in Graphic Design & Illustration | Adobe Certified Professional- Illustrator, Photoshop, InDesign |
| Digital Communications Arts, A/V Tech, & Comm.  | Principles of AAVTC | Audio Video Production I | Audio Video Production II | Practicum in AV Production | Adobe Certified Professional- Premiere Pro Adobe Certified Professional- Photoshop |
| Accounting & Finance Business, Marketing, & Finance  | Principles of Business, Marketing, & Finance | Accounting I Financial Math | Accounting II | Practicum in Entrepreneurship | Accounting Foundations Accounting Basic QuickBooks Certified User |
| Entrepreneurship Business, Marketing, & Finance  | Principles of Business, Marketing, & Finance | Entrepreneurship I | Entrepreneurship II- Incubator | Practicum in Entrepreneurship | Entrepreneurship & Small Business Facebook Digital Marketing |
| Real Estate Business, Marketing, & Finance  | Principles of Business, Marketing, & Finance | Financial Math and/or Professional Communications | Fundamentals of Real Estate (2) | Practicum in Business | Real Estate Sales Agent License |
| Automotive Transportation  | Automotive Basics | Auto Tech I (2) | Auto Tech II | Practicum in Transportation Systems | ASE Entry Level Certifications |
| Architectural Design Architecture & Construction  | Principles of Architecture | Architectural Design I | Architectural Design II (2) | Practicum in Architectural Design | OSHA 10 Chief Architect Software LEED Green Associate Autodesk Associate |

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|--|--|---|---|--|---|
| Culinary Arts Hospitality & Tourism  | Intro to Culinary Arts | Culinary Arts (2) | Advanced Culinary Arts | Practicum in Culinary Arts OR Food Science | Food Handlers Food Manager Certification |
| Engineering Foundations Engineering  | Intro to Engineering Design PLTW | Introduction to Computer Aided Design & Drafting | Engineering Science PLTW Engineering Design & Development PLTW | Practicum in STEM OR Engineering Design & Development PLTW | Autodesk Fusion 360 |
| Cybersecurity Information & Technology *PTECH  | Fundamentals of Comp. Sci. | Computer Science I Computer Maintenance Lab* | AP Computer Science A Networking Lab* Digital Forensics DC PTECH* | Practicum in STEM | Cisco Cyber Security Fundamentals CompTIA |
| Programming & Software Development Information & Technology *Esports  | Fundamentals of Comp. Sci. | Computer Science I Game Programing & Design* | AP Computer Science A | Practicum in STEM | C++ CompTIA Certified User Programmer |
| Healthcare Diagnostic and Therapeutic Services Health Science *PTECH  | Principles of Health Science | Medical Terminology | Health Science Theory and Anatomy and Physiology | Practicum in Health Science | BLS CPR Certified Clinical Medical Assistant OSHA 10 Health Patient Care Technician* EKG Technician Phlebotomy RN* |
| Teaching & Training Education & Training  | Principles of Human Services | Child Development | Instructional Practices | Practicum in Education | Educational Aide I |
| Early Learning Education & Training  | Principles of Human Services | Child Development | Child Guidance (2) | Practicum in Early Learning | Child Development Associate Early Childhood Education & Care |
| Family & Community Services Human Services  | Principles of Human Services | Child Development | Family & Community Services | Practicum in Human Services | Child Development Associate Community Health Worker |
| JROTC Air Force  | JROTC I Aerospace I Aviation History Leadership I Military Traditions & Foundations of Citizenship | JROTC II Aerospace II Science Of Flight Leadership II Communication Awareness | JROTC III Aerospace III Space Exploration Leadership III Life Skills & Career Opportunities | JROTC IV Aerospace IV World Cultures Leadership IV Fundamentals of Management | National Occupational Competency Testing Institute "Leadership and Employability Skills Credential" |